

Converting Colors

XYZ(22.1177, 40.1715, 15.8265)

Have a look what the booklet for
XYZ(22.1177, 40.1715, 15.8265)
contains.

XYZ(22.1133, 40.1661, 15.8199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.1133, 40.1661,
15.8199)**

Conversions

Conversions Part 1

Format	Color
Hex	27C358
RGB	39, 195, 88
RGB Percent	15%, 76%, 35%
CMY	0.8470, 0.2353, 0.6549
CMYK	0.80, 0.00, 0.55, 0.24
HSL	139°, 67%, 46%
HSV	139°, 80%, 76%
XYZ	22.1133, 40.1661, 15.8199
YIQ	136.1580, -58.6290, -66.3490

Conversions

Conversions Part 2

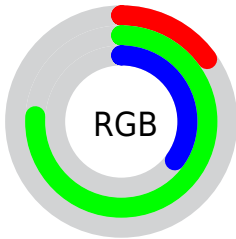
Format	Color
RYB	39, 158, 195
Decimal	2605912
CIELab	69.59, -61.39, 42.42
CIElCh	70, 74.623, 145.355
Yxy	40.1661, 0.2831, 0.5143
Android (android.graphics.Color)	4280795992 (0xFF27C358)
YUV	136.1580, -23.7419, -85.2076
Hunter-Lab	63.3767, -48.6274, 29.5639

Details

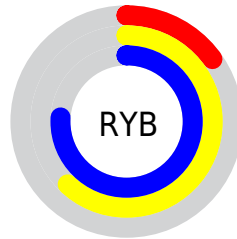
The XYZ color **22.1133, 40.1661, 15.8199** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **28.4208, 15.1293, 28.6181**, and the grayscale version is **23.5641, 24.7912, 26.9976**.

A 20% lighter version of the original color is **46.4144, 75.5235, 36.9421**, and **9.7120, 18.8897, 4.8845** is the 20% darker color. If you saturate the color by 10%, you get **21.0516, 39.6782, 13.1391**, and if you desaturate by 10%, it is **23.6578, 40.8935, 19.0557**.

Distribution



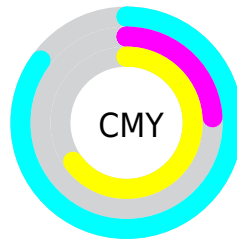
- Red (15%)
- Green (76%)
- Blue (35%)



- Red (15%)
- Yellow (62%)
- Blue (76%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (24%)





- Cyan (85%)
- Magenta (24%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1133, 40.1661, 15.8199 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.1133, 40.1661, 15.8199 by changing the saturation by 10% instead.


 22.1133, 40.1661,
15.8199


 22.1133, 40.1661,
15.8199


255.7586,
346.8232, 240.0859


 14.0572, 27.6681,
9.2438


 46.4106, 75.4164,
37.0477


 8.2425, 18.0756,
4.8016


 63.3826, 98.9374,
52.5365


 4.3036, 11.0043,
2.0746


 84.0573, 126.9016,
71.8333

 1.8753, 6.0697,
0.6006

 108.8001,
159.6933, 95.3566

 0.5624, 2.8875,
0.0000

 137.9762,
197.6969, 123.5250

 0.0000, 1.0733,
0.0000

171.9511,

 0.0000, 0.0000,

241.2968, 156.7570

0.0000

211.0901,
290.8774, 195.4711

■ 22.1133, 40.1661,
15.8199

■ 22.1133, 40.1661,
15.8199

■ 21.0516, 39.6782,
13.1391

■ 23.6578, 40.8935,
19.0557

■ 20.3650, 39.3714,
10.9767

■ 25.7385, 41.8837,
22.8733

■ 20.3649, 39.3713,
10.9764

■ 28.4044, 43.1628,
27.3008

■ 31.6980, 44.7521,
32.3639

■ 35.6578, 46.6709,
38.0864

■ 40.3190, 48.9369,
44.4912

■ 45.7143, 51.5665,
51.5999

■ 51.8742, 54.5751,
59.4331

■ 58.8277, 57.9771,
68.0107

Harmonies

Analogous

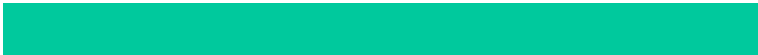
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.0906, 40.1661, 7.0026



22.1133, 40.1661, 15.8199



19.4284, 40.1661, 38.5778

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.1133, 40.1661, 15.8199



36.3310, 40.1661, 148.7962



63.1720, 40.1661, 21.0308

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.1133, 40.1661, 15.8199



28.4208, 15.1293, 28.6181

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.2357, 40.1661, 49.3304



22.1133, 40.1661, 15.8199



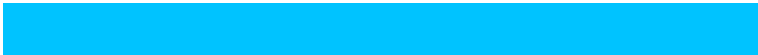
48.9813, 40.1661, 135.2642

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.1133, 40.1661, 15.8199



26.4629, 40.1661, 124.1754



60.5833, 40.1661, 93.3351



52.9194, 40.1661, 8.7095

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.1133, 40.1661, 15.8199



19.9110, 40.1661, 63.7602



60.5833, 40.1661, 93.3351



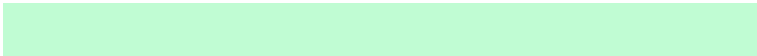
65.1575, 40.1661, 28.4130

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.1143, 40.1677, 15.8208



68.3996, 85.7900, 74.5115



32.1317, 45.4931, 9.0073



14.3270, 18.4704, 15.4165



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1143, 40.1677, 15.8208



36.7669, 70.6444, 20.5486



27.0358, 42.1364, 41.7372



10.0719, 11.3098, 11.3817



13.2695, 25.6019, 7.3122



0.6051, 1.1189, 0.4831

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.4208, 15.1293, 28.6181



48.2866, 24.1464, 43.3602



24.3441, 13.4986, 7.1506



10.3583, 10.1919, 11.9772



17.4523, 8.6707, 15.5599



0.7840, 0.3866, 0.8302

Previews

White Background



This preview shows how the XYZ color 22.1133, 40.1661, 15.8199 looks on a white background.

Color Contrast Check

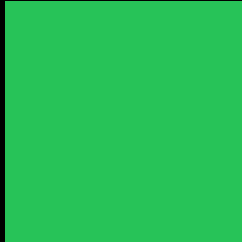
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.1133, 40.1661, 15.8199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1133, 40.1661, 15.8199

Background



This preview shows how black text looks on a background with the XYZ color 22.1133, 40.1661, 15.8199.



This preview shows how white text looks on a background with the XYZ color 22.1133, 40.1661,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.1133, 40.1661, 15.8199

Protanopia

36.0928, 39.5052, 13.1201

Deuteranopia

40.0794, 39.3319, 16.7887



Tritanopia

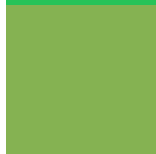
30.7827, 39.8290, 59.4914

Trichromacy



Original Color

22.1133, 40.1661, 15.8199



Protanomaly

27.1163, 37.4365, 13.7794



Deuteranomaly

28.6410, 36.7150, 16.1668



Tritanomaly

26.3258, 39.2382, 38.5340

Monochromacy



Original Color

22.1133, 40.1661, 15.8199



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.7536, 28.2126, 21.8045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1133, 40.1661, 15.8199 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(39, 195, 88)` looks like.

```
.text, #text, p{  
    color:rgb(39, 195, 88)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(39, 195, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 195, 88) }
```

Border

The CSS property to change the border of an element to XYZ 22.1133, 40.1661, 15.8199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(39, 195, 88) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(39, 195, 88) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(39, 195, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 195, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 195, 88);  
box-shadow:4px 4px 4px 4px rgb(39, 195,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1133, 40.1661, 15.8199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 195, 88) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(39, 195,  
88) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor